

PATENT ABSTRACTS OF JAPAN

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(54) LIGHT EMITTING COMPOSITE SHEET AND FLOOR MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a floor material which emits light even in true darkness after external stimulus by sunlight and a lamp is bonded and fixed by forming a light emitting composite sheet by integrally laminating a lining material, a substrate synthetic resin layer, and a synthetic resin layer containing a light emitting pigment.

SOLUTION: A fluorescent composite sheet which is used appropriately for a floor material which is effective for refuge inducement by a phenomenon in which the floor of a building emits light in darkness caused by the failure of an electric system during disaster such as fire and earthquake is formed from a light emitting composite sheet which is made by laminating and integrating a lining material, a substrate synthetic resin layer, and a synthetic resin layer containing a light emitting pigment. On this occasion, the thickness of the substrate resin layer is set up to be 1.0-5.0mm, and the thickness of the pigment-containing resin layer is set up to be 0.1-3mm. As for the pigment, one kind selected from a calcium sulfide/bismuth type, a zinc sulfide/copper type, a calcium sulfide-strontium/bismuth type, and a zinc sulfide-cadmium/ copper type is used as a main agent.